

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439411

Luminaire Tested: CB3-B-055U-055D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439411
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-B-055U-055D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

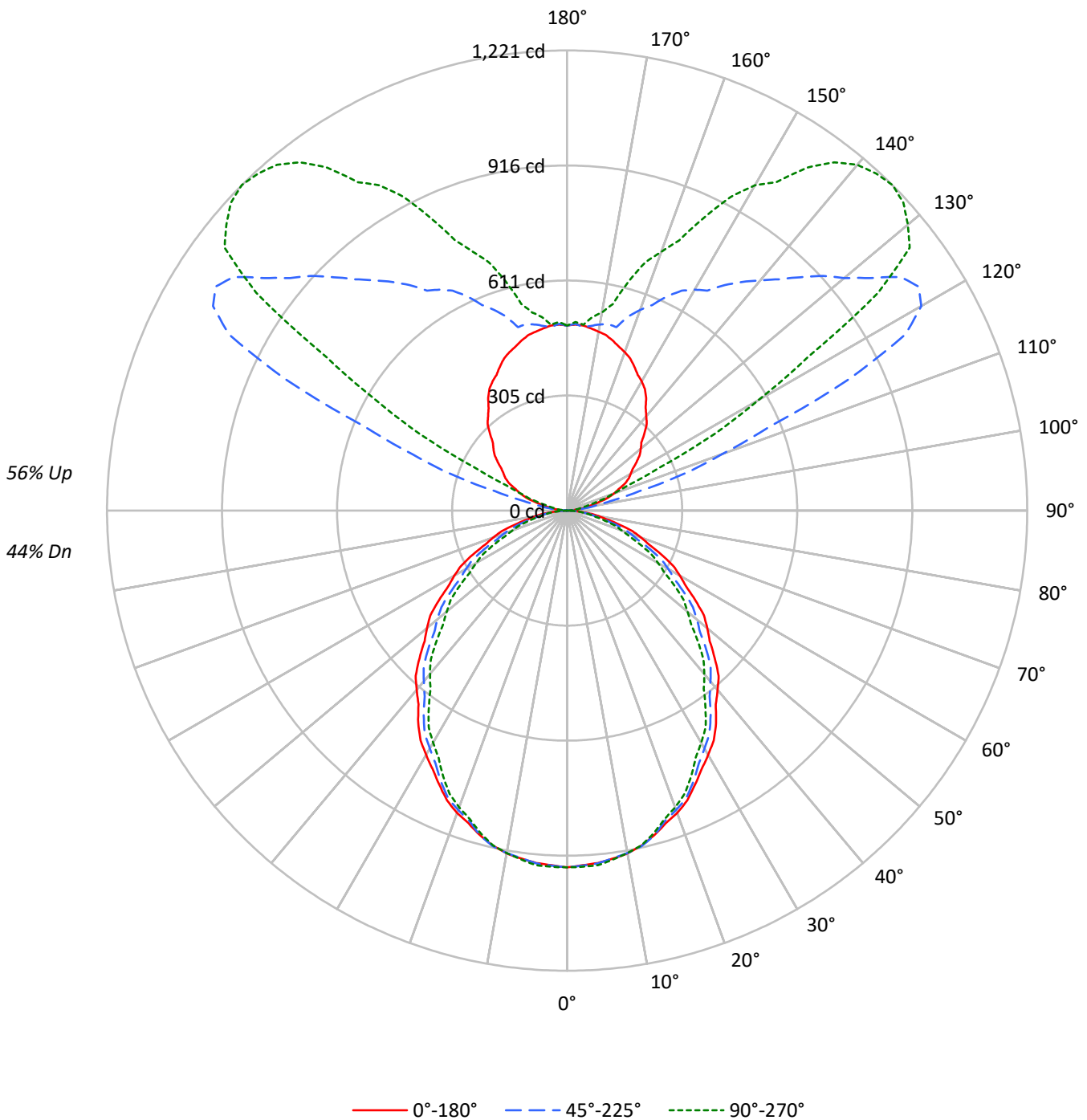
Lumens per Lamp: N/A
Luminaire Lumens: 5152.5 lumens
Efficiency: N/A
Efficacy: 158.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 32.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	92	89	85	88	85	81	79	70	68	66	57	56	54	45	44	43	37
2	88	81	75	70	80	74	69	65	62	58	55	50	48	45	40	38	36	32
3	80	71	64	58	73	65	59	54	55	50	46	45	41	39	35	33	31	27
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27	23
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	20
6	62	50	42	37	57	47	40	34	39	34	30	32	28	25	26	23	21	18
7	58	46	38	32	53	42	35	30	36	30	26	29	25	22	24	21	19	16
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	22	19	17	14
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15	13
10	46	35	27	23	43	32	26	21	27	22	19	23	19	16	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10712	10712	10712
5°	10660	10668	10730
10°	10614	10599	10599
15°	10451	10451	10388
20°	10282	10176	10088
25°	10022	9896	9720
30°	9776	9522	9293
35°	9520	9166	8841
40°	9177	8739	8361
45°	8865	8359	7842
50°	8544	7905	7338
55°	8196	7466	6857
60°	7821	7015	6314
65°	7381	6498	5743
70°	6874	5895	5114
75°	6230	5172	4555
80°	5434	4340	4033
85°	4193	3661	3661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8865 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	1.7
10°-20°	250.9	4.9
20°-30°	364.6	7.1
30°-40°	414.5	8.0
40°-50°	402.4	7.8
50°-60°	339.7	6.6
60°-70°	241.7	4.7
70°-80°	129.1	2.5
80°-90°	34.1	0.7
90°-100°	33.2	0.6
100°-110°	173.9	3.4
110°-120°	437.7	8.5
120°-130°	675.3	13.1
130°-140°	618.2	12.0
140°-150°	456.2	8.9
150°-160°	290.8	5.6
160°-170°	153.1	3.0
170°-180°	47.7	0.9
0°-30°	704.8	13.7
0°-40°	1119.3	21.7
0°-60°	1861.5	36.1
0°-90°	2266.5	44.0
90°-120°	644.8	12.5
90°-150°	2394.4	46.5
90°-180°	2886.0	56.0
0°-180°	5152.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	939	950	939	938	945	89
15°	892	900	892	887	887	251
25°	803	805	793	782	779	370
35°	689	683	664	644	640	429
45°	554	546	522	497	490	427
55°	416	404	378	354	348	371
65°	276	266	243	221	214	273
75°	142	135	118	106	104	152
85°	32	30	28	28	28	38
90°	0	0	0	0	0	2
95°	17	49	20	11	11	22
105°	89	275	199	82	67	95
115°	169	344	826	359	272	164
125°	225	347	1081	1090	1007	201
135°	290	387	875	1194	1221	224
145°	365	422	731	1016	1111	227
155°	422	453	627	776	856	194
165°	467	480	504	589	629	132
175°	493	503	488	491	495	47
180°	491	491	491	491	491	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	946.7	946.7	946.7	946.7	946.7
2.5°	941.8	951.3	942.9	944.0	946.1
5°	938.6	950.4	939.3	938.1	944.7
7.5°	931.3	942.1	930.5	927.8	933.8
10°	923.8	935.6	922.5	919.2	922.5
12.5°	910.4	922.7	912.2	906.8	909.6
15°	892.2	900.1	892.2	886.8	886.8
17.5°	870.0	878.3	863.4	859.6	858.2
20°	853.9	861.1	845.1	839.7	837.8
22.5°	832.4	839.1	825.8	816.6	814.1
25°	802.8	805.4	792.7	781.9	778.6
27.5°	773.1	773.7	756.3	743.1	738.8
30°	748.3	749.0	728.8	714.6	711.3
32.5°	723.6	721.6	702.5	685.6	683.4
35°	689.2	682.6	663.6	644.0	640.1
37.5°	647.6	643.7	621.3	601.6	595.7
40°	621.3	614.7	591.7	572.0	566.1
42.5°	594.9	587.3	563.7	541.9	535.5
45°	554.0	545.5	522.4	497.4	490.1
47.5°	512.9	503.5	478.2	453.9	445.9
50°	485.4	475.6	449.1	425.4	416.9
52.5°	457.5	447.1	420.6	396.4	389.4
55°	415.5	404.3	378.5	354.2	347.6
57.5°	373.6	362.5	336.8	313.8	305.9
60°	345.6	335.1	310.0	286.9	279.0
62.5°	317.1	307.1	282.5	260.0	252.7
65°	275.7	265.8	242.7	221.1	214.5
67.5°	234.7	226.2	203.5	183.6	178.3
70°	207.8	199.9	178.2	159.9	154.6
72.5°	181.9	173.5	152.9	137.3	133.7
75°	142.5	134.6	118.3	106.2	104.2
77.5°	106.5	100.1	85.9	79.0	78.0
80°	83.4	77.5	66.6	61.9	61.9
82.5°	61.9	57.0	49.9	47.9	47.9
85°	32.3	29.6	28.2	28.2	28.2
87.5°	9.7	9.7	9.1	8.6	8.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.2	12.0	3.5	1.8	3.5
95°	17.3	49.0	19.5	10.8	10.8
97.5°	35.9	109.4	50.1	26.7	24.2
100°	49.7	155.4	77.8	38.8	34.6
102.5°	65.3	201.4	117.6	52.6	45.0
105°	88.6	274.6	198.9	81.8	67.0
107.5°	114.6	324.6	327.7	126.1	101.6
110°	131.9	345.3	436.6	165.6	127.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	147.4	350.7	581.9	225.8	174.2
115°	168.6	344.0	825.7	359.0	272.4
117.5°	184.2	327.5	1010.7	571.1	440.5
120°	194.5	327.7	1085.1	731.6	585.8
122.5°	206.6	329.6	1105.8	891.0	757.0
125°	224.8	347.4	1080.8	1089.7	1007.3
127.5°	243.0	360.5	1013.3	1171.4	1145.6
130°	255.1	369.2	959.7	1199.2	1180.2
132.5°	267.2	377.9	921.7	1199.9	1209.6
135°	289.6	386.9	875.4	1193.8	1221.3
137.5°	312.6	397.9	832.2	1156.0	1213.1
140°	326.4	406.7	797.6	1115.1	1197.5
142.5°	342.0	413.8	764.8	1077.1	1164.6
145°	365.3	422.4	730.6	1015.9	1111.0
147.5°	383.5	427.0	692.1	954.2	1032.8
150°	395.6	427.3	676.6	899.3	996.5
152.5°	405.9	435.9	657.5	848.9	937.7
155°	421.5	453.2	626.8	775.7	856.0
157.5°	437.1	467.5	590.5	721.0	775.6
160°	447.4	472.8	566.3	694.7	730.6
162.5°	456.1	478.1	540.4	649.8	690.8
165°	466.9	479.6	503.6	588.9	629.0
167.5°	476.8	483.2	506.7	529.0	561.6
170°	482.0	488.4	501.5	523.3	533.9
172.5°	487.2	496.9	494.6	509.5	518.3
175°	492.8	503.4	488.5	490.8	495.0
177.5°	494.1	499.2	495.9	496.0	501.0
180°	490.7	490.7	490.7	490.7	490.7



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.80	15.60	15.81	16.62	17.98	13.73	14.53	14.73	15.54	16.90
	3H	16.47	17.18	17.49	18.21	19.59	15.13	15.85	16.15	16.88	18.25
	4H	17.09	17.77	18.13	18.80	20.18	15.65	16.33	16.68	17.36	18.74
	6H	17.48	18.10	18.52	19.13	20.53	15.96	16.59	17.01	17.62	19.02
	8H	17.61	18.21	18.66	19.26	20.65	16.09	16.68	17.13	17.73	19.12
	12H	17.68	18.24	18.73	19.29	20.70	16.16	16.72	17.21	17.77	19.18
4H	2H	15.20	15.88	16.24	16.91	18.30	14.35	15.02	15.38	16.05	17.44
	3H	17.09	17.65	18.14	18.71	20.11	15.96	16.52	17.01	17.58	18.98
	4H	17.83	18.35	18.89	19.40	20.82	16.56	17.08	17.62	18.13	19.55
	6H	18.33	18.78	19.40	19.85	21.26	16.97	17.42	18.04	18.49	19.90
	8H	18.52	18.94	19.59	20.00	21.43	17.14	17.56	18.20	18.62	20.05
	12H	18.62	18.99	19.70	20.07	21.51	17.24	17.62	18.32	18.70	20.13
8H	4H	17.96	18.37	19.02	19.44	20.87	16.82	17.24	17.88	18.30	19.73
	6H	18.58	18.92	19.66	20.03	21.45	17.35	17.69	18.43	18.80	20.22
	8H	18.85	19.15	19.95	20.24	21.69	17.60	17.90	18.69	18.99	20.44
	12H	19.01	19.28	20.11	20.36	21.85	17.77	18.04	18.87	19.12	20.61
12H	4H	17.93	18.30	19.01	19.38	20.82	16.82	17.19	17.90	18.27	19.71
	6H	18.59	18.89	19.69	19.98	21.43	17.40	17.70	18.50	18.79	20.24
	8H	18.89	19.15	19.99	20.24	21.73	17.68	17.95	18.78	19.03	20.52